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RAW SEQUENCE LISTING              DATE: 03/01/2002
PATENT APPLICATION:  US/10/076,555    TIME: 12:44:24

        Input Set : N:\Crf3\RULE60\10076555.raw
        Output Set: N:\CRF3\03012002\J076555.raw
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 1 <110> APPLICANT: Williams, Lewis T.
 2         Escobedo, Jaime
 3         Innis, Michael A.
 4         Garcia, Pablo Dominiguez
 5         Sudduth-Klinger, Julie
 6         Reinhard, Christoph
 7         Giese, Klause
 8         Randazzo, Filippo
 9         Kennedy, Giulia C.
10         Pot, David
11         Kassam, Altaf
12         Lamson, George
13         Drmanac, Radoje
14         Crkvenjakov, Radomir
15         Dickson, Mark
16         Drmanac, Snezana
17         Labat, Ivan
18         Leshkowitz, Dena
19         Kita, David
20         Garcia, Veronica
21         Jones, Lee William
22         Stache-Crain, Birgit
23 <120> TITLE OF INVENTION: Novel Human Genes and Gene Expression
24         Products I
25 <130> FILE REFERENCE: 2300-1480
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27 <141> CURRENT FILING DATE: 2002-02-15
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32 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/080,664
W--> 33 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-03
34 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/105,234
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36 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/105,877
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39 <170> SOFTWARE: FastSEQ for Windows Version 4.0
41 <210> SEQ ID NO: 1
42 <211> LENGTH: 300
43 <212> TYPE: DNA
44 <213> ORGANISM: Homo sapiens
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45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: (1)...(300)
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52        ccccacttat ttttgtcttt cactatcgca ggccttagaa gaggtctacc tgcctccagt   180
53        cttacctagt ccagtctacc ccctggagtt agaatggcca tcctgaagtg aaaagtaatg   240
54        tcacattact cccttcagtg atttcttgta gaagtgccaa tccctgaatg ccaccaagat   300
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58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
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62 <222> LOCATION: (1)...(299)
63 <223> OTHER INFORMATION: n = A,T,C or G
64 <400> SEQUENCE: 2
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66        gtgagccgag attgcacctt tgtactccag cctgggcaac gagcaaaaaa ctctgtctca   120
W--> 67  aacaaaaga agaaaaaaaa aaaaaaaann nnnnnnnnn nnnnnnnnn nnnttnttct   180
W--> 68  ggcgncnagt cccaaantcn taccttgtaa gacctttann tnncctgngg tntttntnna   240
W--> 69  cncttanata nnnntntttn ctatcaanta tagggagant tttcntttng gggcaactt   299
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72 <211> LENGTH: 300
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (1)...(300)
78 <223> OTHER INFORMATION: n = A,T,C or G
79 <400> SEQUENCE: 3
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W--> 81  ganattatgc ngngatagng cttgttccat tcnaccagcg aatnatgcat tnacncnaca   120
W--> 82  cnngagttac tatccaaaca cacgttttca cgntacctga ngctggtnga naattatgcg   180
W--> 83  accatgaggc tttccangat ntttctannt ancagacngn gnacaatgnt gaanaagcng   240
W--> 84  tacacaccgc nctngncnnc cnncactgan cangtnacnn ngctcactgn ngcctctttc   300
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87 <211> LENGTH: 287
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
90 <220> FEATURE:
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92 <222> LOCATION: (1)...(287)
93 <223> OTHER INFORMATION: n = A,T,C or G
94 <400> SEQUENCE: 4
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W--> 97       cntgccggtc ttgctcnttt tgtctaccnn gagganannn ntntgggaca tcccagactg      180
W--> 98       agtgaggaga tctgcngctg cnnctgtact tggttacanc ncacacgang actntncctt      240
W--> 99       ggactanana cactagccta anattcngca ctacctantc ctctggc                    287
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     102 <211> LENGTH: 300
     103 <212> TYPE: DNA
     104 <213> ORGANISM: Homo sapiens
     105 <400> SEQUENCE: 5
     106       gtccttttga accaccccaa agaactcaac atggcaaagc aaatggtaaa agcttcccga      60
     107       ctgttctact ttgggtccgc gcgaagccca ctcacgtgtg atctgtgttg cccctgggag     120
     108       gcccggggcg accggaaaag ggctctctca agttctgaaa agagaatctg ccaccagatc     180
     109       gaatttcgac ccctgagctt gttcggacgt atggtccaaa ttcagattaa ggtggtcacc     240
     110       caacccgaga tgtcaggaaa ggccttctgc agagaaaatg tccccccacc cgccatctgc     300
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     113 <211> LENGTH: 284
     114 <212> TYPE: DNA
     115 <213> ORGANISM: Homo sapiens
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     117 <221> NAME/KEY: misc_feature
     118 <222> LOCATION: (1)...(284)
     119 <223> OTHER INFORMATION: n = A,T,C or G
     120 <400> SEQUENCE: 6
W--> 121       tntccccttt gacgccttan tgccctnncg ctacnngtcc nttaggcctt atcccatcgn      60
W--> 122       ccntcgtttn gcattctgcc nnagantgac tttncnatca tgcntnatnn gtnnttacna     120
W--> 123       ggggctnggg tgaattntta caccctgcna ntccatanca cantgccntg cnagctncac     180
W--> 124       cctcntgaat aaatgcaata aantttcngt tgatcttata caccttatgc nccntantta     240
W--> 125       atcagccctn tnttacnana tcnanttatg cnggtattaa aaca                       284
     127 <210> SEQ ID NO: 7
     128 <211> LENGTH: 277
     129 <212> TYPE: DNA
     130 <213> ORGANISM: Homo sapiens
     131 <220> FEATURE:
     132 <221> NAME/KEY: misc_feature
     133 <222> LOCATION: (1)...(277)
     134 <223> OTHER INFORMATION: n = A,T,C or G
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     137       ttgtaaatca tctttgatgt taaccaggcc gacgctgtgg ccacattccg aaagattaac     120
W--> 138       cctgtcaaac cctannnnnn nnnnnnnnnn nnnggatttg atnagcctgt nccanacctc     180
W--> 139       tgcagcctcn ancggtngtn ntaccatagt ggggatgacc ctctgatact ttgncctggt     240
W--> 140       ngancatgnt gacanntgct tctacagctt nngggac                               277
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     143 <211> LENGTH: 292
     144 <212> TYPE: DNA
     145 <213> ORGANISM: Homo sapiens
     146 <220> FEATURE:
     147 <221> NAME/KEY: misc_feature
     148 <222> LOCATION: (1)...(292)
     149 <223> OTHER INFORMATION: n = A,T,C or G
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       151      cttgggaggc tgagtcagga gaattgcttg agcccaggag atggaggttg cagtgagcca      60
       152      agatcatgcc actgcactcc agactgggca acagagggag actccgtctc aaaaactaaa     120
       153      aaaaaaaata catttagtat agcggggggt gggcgggaga aataatgtta tttcctatgc     180
W--> 154      aaatgacgnn nnnnnnnnn cccatggtaa atgtnaatat actgcgtctn ttttgggana     240
W--> 155      gcctttant aaangagtct tanatgaatc tctanntnat gantttaact tg              292
       157 <210> SEQ ID NO: 9
       158 <211> LENGTH: 300
       159 <212> TYPE: DNA
       160 <213> ORGANISM: Homo sapiens
       161 <400> SEQUENCE: 9
       162      ccaggttagc tgctgaatca aagcttcaaa cagaagttaa agaaggaaaa gaaacttcaa      60
       163      gcaaattgga aaaagaaact tgtaagaaat cacaccctat tctatatgtg tcttctaaat     120
       164      ctactccaga gacccagtgc cctcaacagt aaagactttt ctttaataag agtacggtgc     180
       165      cacttgcctc aaaagttact atggtgctta agattgtctt gatctgacat atatcacctt     240
       166      ctgggttatt tactcattgt gccaggacct ggcattttca tgtgcctttg accaagtgtt     300
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       169 <211> LENGTH: 300
       170 <212> TYPE: DNA
       171 <213> ORGANISM: Homo sapiens
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       174 <222> LOCATION: (1)...(300)
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       177      aggaggcgga gcttgcagtg agctgagatc gcgccactgc actccagcct gggcaacaga      60
W--> 178      gtgagactct gtctcaaaaa aaaaaaaaaa nnnnnnnnnn nnnnnnnnaa nctcgtnttn     120
W--> 179      gnaaggaaan ggggnaangg accggtntta tncctatgtn gtntttgcag gcaaangaaa     180
W--> 180      nggacccntt tttgtaaaaa aaagtctttt gnncaantaa acggggtntg ngggtncagg     240
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       192      cgtctgtaat cccagctgct tgggaggctg aggcaggaga atcacttgaa ccctggaggt      60
       193      ggcggtttca gtgagcacag atcatgccac tgcactccag cctgggcaac aaaacgagac     120
W--> 194      ttcgtctcaa aaaaaaaaan nnnnnnnnnn nnnnnnnnnn nncgggttct cccaaattnt     180
W--> 195      ttnnaggggn ccatggncaa ctgnttnacn tttgtttngg naaccccntg cccnaagncg     240
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       199 <211> LENGTH: 300
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       201 <213> ORGANISM: Homo sapiens
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203        caaagatggt cgtattacta aaggtgaata accagcgcgg ggggcacgtg gagtcactgg      60
204        aacatttgtg caatgctggt gggaatgtca acccgtgcgg ccctctggaa taagcctggc     120
205        agctcctcca agagttaccg tgtgacccag caattccact cctagctcca cccacaggaa     180
206        ttgaaagcaa agacgcaaac agatgcctgt gcaccaaagt tcacggcagc atccttcgcc     240
207        atagtggcag catccgtcgt cacagcggca tcatccttca tcatagcggc agcatccgtc     300
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 278
211 <212> TYPE: DNA
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213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (1)...(278)
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219        gatcattgtt aattagtgac atagtaacat ctgtagcagc tggttagtaa acctcatgtg     120
W--> 220   ggggaggtgt gggaggtttt nncgnnannn nnngcnnnnn annccccggn nngnnngaag     180
W--> 221   ctgnnnnttn naannngcnn nnnannatga naannnccnn ngactggnnn nangaggcct     240
W--> 222   anccentgnt ttananaaac nnncnncagn ntctctca                             278
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 300
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227 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 14
229        gtgtcttcat cttacccagt ggaacctaag aaattaaatt ctccagaaga aactgctttt      60
230        cagacaccaa aatctagcca gatgcctcgg ccttcagtgc caccattagt taaaacatca     120
231        ctgtttttctt caaaattatc tacacctgat gttgtgagcc catttgggac cccatttggc     180
232        tctagtgtaa tgaatcggat ggctggaatt tttgatgtaa acacctgcta tgggtcaccg     240
233        caaagtcctc agctaataag aaggggggcca agattgtgga catcagcttc tgatcagcaa     300
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 300
237 <212> TYPE: DNA
238 <213> ORGANISM: Homo sapiens
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241        ttgtagtttc ataaattctg tagtaaagta tcatcttggc agtgtgccaa aggtgaaaat     120
242        gatgctttct ctaacagaga aattcttagt gactccagtc gtagaaaaac gtctttacaa     180
243        cctgaataag attgaagaat tgtgaacata ccatggccta ttggatgaat catttgccgt     240
244        aggctaaatc agactgtagg gtttgcgatg gatttatgga gtatgtgggt atagaaatca     300
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247 <211> LENGTH: 276
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapiens
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251 <221> NAME/KEY: misc_feature
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253 <223> OTHER INFORMATION: n = A,T,C or G
254 <400> SEQUENCE: 16
255        gtttcattta agaagaatga gctagataaa tgtgctcttc tggttacccc accctgacag      60
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Input Set : **N:\Crf3\RULE60\10076555.raw**
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L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
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L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
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Dossier: 10076555

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No.	Doccode	Number of pages
1	IDS	4

Total number of pages: 4

Remarks:

Order of re-scan issued on ....